

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A pharmaceutical composition for ~~topical~~intraoral topical administration, comprising a penem antibiotic as an active ingredient, a water insoluble polymer, and a solvent capable of dissolving the water insoluble polymer and compatible with water, wherein the composition is in the form of an ointment or a gel, and when topically applied, forms a water insoluble film in its surface portion due to leaching of the solvent from the composition and/or absorption of water by the composition, said formation of film causing the entire composition to harden and retain its shape to reside at the applied site to effect controlled release of the active ingredient and optionally containing other additive.

2. (Canceled)

3. (Canceled)

4. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 3~~, wherein the water insoluble polymer is one or more polymers selected from the group consisting of aminoalkyl methacrylate copolymer RS, aminoalkyl methacrylate copolymer E, methacrylate copolymer L, methacrylate copolymer S, ethylcellulose, polyvinyl acetal diethylaminoacetate, hydroxypropyl methylcellulose phthalate, hydroxypropyl methylcellulose acetate succinate, carboxymethyl ethylcellulose, cellulose acetophthalate, rosin, sandarac, celluloid, shellac, and zein.

5. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 4~~, wherein the solvent capable of dissolving the water insoluble polymer and compatible with water is one or more solvents selected from the group consisting of

triethyl citrate, triacetin, tributyrin, diacetylene glycol, diethyl sebacate, diethyl phthalate, dibutyl phthalate, ethylene glycol, diethylene glycol, propylene glycol, dipropylene glycol, polyethylene glycol, glycerin, and acetyl glycerin fatty acid ester.

6. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 5~~, wherein ~~an additive~~ a powder insoluble or slightly soluble in the solvent is incorporated ~~as the other additive~~.

7. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 5~~, wherein a pH adjustor is incorporated ~~as the other additive~~.

8. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 5~~, wherein an adhesive and/or a swelling agent are or is incorporated ~~as the other additive~~.

9. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 5~~, wherein one or more additives selected from the group consisting of fats and oils, fatty acids and fatty acid derivatives such as salts or esters of the fatty acids, surface active agents, polyhydric alcohols, and higher alcohols are incorporated ~~as the other additives~~.

10. (Currently Amended) The pharmaceutical composition for topical administration as claimed in ~~any one of claims 1 to 9~~, which is a sustained release preparation.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Currently amended) A pharmaceutical composition as claimed in claim 1 which is formulated as an An-agent for treatment of periodontal disease,~~comprising an active ingredient for treatment of periodontal disease, a water insoluble polymer, and a solvent capable of dissolving the water insoluble polymer and compatible with water, and optionally other additive.~~